

ABSTRACT OF THE INVENTION

The present invention provides an isolated human mannosyl transferase and the encoding nucleic acid.

Nucleic acids and fragments thereof that correspond to the
5 mannosyl transferase polypeptide similarly are applicable
in therapeutic procedures. The invention also provides a
human mannosyl transferase fusion polypeptide and a
chromosome 9 fusion polypeptide, both of which result from
a chromosomal translocation t(9,11) (p24;q23.1). The
10 fusion nucleic acid sequence that encodes the human
mannosyl transferase fusion polypeptide and the fusion
nucleic acid sequence that encodes the chromosome 9 fusion
polypeptide also are provided. The fusion proteins of the
invention and their encoding nucleic acids are useful in
15 methods provided by the present invention for diagnosing
or predicting the susceptibility to bipolar disorder.

T02090" 532260